

Abstract

The invention relates to a device and a method for stabilizing a vehicle in a situation critical to rollover, where various controller input variables (ay , day/dt , P) are measured by a sensor system (2, 6), and a rollover-stabilization algorithm (4, 5) intervenes in the vehicle operation 5 with the aid of an actuator (3, 9, 10), in order to stabilize the vehicle. In order to be able to take different loading conditions of the vehicle into account, a rollover tendency ($K1$) of the vehicle is estimated from the relationship between a variable (Lw) describing the steering behavior of the vehicle and a variable (W) describing the roll behavior of the vehicle, and the rollover tendency is taken into account in rollover stabilization.

10 Fig. 3